DSC# 787

VOYAGER 2
1-HR SOLAR WIND PLASMA DATA
77-084A-06N

VOYAGER 2
1-HR SOLAR WIND PLASMA DATA
77-076A-06S

VOYAGER 1

1-HR SOLAR WIND PLASMA DATA

77-084A-06N

THIS DATASET CONSISTS OF 1 MAGNETIC TAPE. THE TAPE IS 9-TRACK, 6250 BPI, WRITTEN IN ASCII. CREATED ON A VAX COMPUTER WITH A LABEL NAME OF "VG1SW". THE TAPE WAS DOWNLOADED FROM THE ANON_DIR:[COHO.VY1PLA.HOUR] DIRECTORY. THE D AND C NUMBER ALONG WITH ITS TIMESPAN IS LISTED BELOW.

D#	C#	FILES	TIMESPAN
D-108534	C-032485	7	09/07/77-12/31/80

Directory of D108534

COHO_VY1PLA_HOUR.LIS;1 V1_KEY_1977.ASC;1 V1_KEY_1978.ASC;1
V1_KEY_1979.ASC;1 V1_KEY_1980.ASC;1 VOYPLA.TXT;2 VY1PLA_KEY.TXT;2

Total of 7 files.

The key parameter file has the format
year day hour speed density width Vr Vt Vn alpha
where
year day hour of the data. For hourly averages hour is an integer.
If data is for individual spectra hour will have a fractional part.
All parameters are from nonlinear fit calculation.
speed is of protons in Km/Sec
density is of protons in #/cc
width is in Km/Sec for protons, and temperature T(eV) = 0.0052(width)**2
Vr radial component proton velocity
Vt tangential component proton velocity
Vr normal component proton velocity

alpha (if present) is density of alpha in #/cc
el (if present) is sum of currents for electrons E1.

77-084 A-66 J

Document file from MIT Plasma Group Web site for Voyager 1 and 2 plasma data

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This directory and its subdirectories contain Voyager data.
The subdirectories v1 and v2 contain data relevant
to Voyager 1 and Voyager 2, respectively.
In each directory that has data, the README file
contains a description of that data and its format.
The names of the directories indicates the type of data
(e.g. sedr [Supplementary Experimental Data Records] or trajectory,
ha [Hourly Averages]).
Note that there may be additional layers of subdirectories.
For example, in the ha directory, key gives the data in
the 'Key Parameter' format.
The file name also gives similar information.
The formae of the name is usually of a form similar to
sc_type_start_end_dis.suff
where any of these may be missing.

sc	is Space Craft v1 or v2
type	is type of data, usually the same as the directory name, (e.g. sedr h
start	start time year.day.hour (day and hour may be missing)
end	end time year.day.hour (day and hour may be missing)
dis	descriptor, if any addition processing is needed, (e.g. filt implies
suff	suffix, Z, gz implies the type of compression etc.

The formats may describe more fields that the data sets contain.
In that case, the fields in the description should just be ignored.
In some cases, 00000 is used as a fill, and implies the that data
is unavailable. Common sense is required to distinguish missing data
from true zeros.

77-076A-06S
Voyager 2 Plasma Data

VOYAGER 2

1-HR SOLAR WIND PLASMA DATA

77-076A-06S

THIS DATASET CONSISTS OF 1 MAGNETIC TAPE. THE TAPE IS 9-TRACK, 6250 BPI, WRITTEN IN ASCII. CREATED ON A VAX COMPUTER WITH A LABLE NAME OF "VG2SW". THE TAPE WAS DOWNLOADED FROM THE ANON_DIR:[COHO.VY2PLA.HOUR] DIRECTORY. THE D AND C NUMBER ALONG WITH ITS TIMESPAN IS LISTED BELOW.

D#	C#	FILES	TIMESPAN
D-108536	C-032487	22	08/22/77-11/15/80

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Directory 1MUA0:[]

COHO_VY2PLA_HOUR.LIS;1		V2_KEY_1977.ASC;1	V2_KEY_1978.ASC;1
V2_KEY_1979.ASC;1	V2_KEY_1980.ASC;1	V2_KEY_1981.ASC;1	V2_KEY_1982.ASC;1
V2_KEY_1983.ASC;1	V2_KEY_1984.ASC;1	V2_KEY_1985.ASC;1	V2_KEY_1986.ASC;1
V2_KEY_1987.ASC;1	V2_KEY_1988.ASC;1	V2_KEY_1989.ASC;1	V2_KEY_1990.ASC;1
V2_KEY_1991.ASC;1	V2_KEY_1992.ASC;1	V2_KEY_1993.ASC;1	V2_KEY_1994.ASC;1
V2_KEY_1995.ASC;1	VOYPLA.TXT;1	VY2PLA_KEY.TXT;2	

Total of 22 files.

The key parameter file has the format
year day hour speed density width Vr Vt Vn alpha
where
year day hour of the data. For hourly averages hour is an integer.
If data is for individual spectra hour will have a fractional part.
All parameters are from nonlinear fit calculation.
speed is of protons in Km/Sec
density is of protons in #/cc
width is in Km/Sec for protons, and temperature T(eV) = 0.0052(width)**2
Vr radial component proton velocity
Vt tangential component proton velocity
Vr normal component proton velocity

alpha (if present) is density of alpha in #/cc
el (if present) is sum of currents for electrons E1.

NY-076A-065

This directory and its subdirectories contain Voyager data.
The subdirectories v1 and v2 contain data relevant
to Voyager 1 and Voyager 2, respectively.
In each directory that has data, the README file
contains a description of that data and its format.
The names of the directories indicates the type of data
(e.g. sedr [Supplementary Experimental Data Records] or trajectory,
ha [Hourly Averages]).
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For example, in the ha directory, key gives the data in
the 'Key Parameter' format.
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The formae of the name is usually of a form similar to
sc_type_start_end_dis.suff
where any of these may be missing.

sc	is Space Craft v1 or v2
type	is type of data, usually the same as the directory name, (e.g. sedr ha
start	start time year.day.hour (day and hour may be missing)
end	end time year.day.hour (day and hour may be missing)
dis	descriptor, if any addition processing is needed, (e.g. filt implies t
suff	suffix, Z, gz implies the type of compression etc.

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